

## REMARKS/ARGUMENTS

In response to the Examiner's Advisory Office Action of July 31, 2006 the Applicant respectfully submits the accompanying Amendment to the claims and the below Remarks.

### *Regarding Amendment*

In the Amendment:

independent claim 1 is further amended to clarify that the electrical connector connects electrical signals from the controller to microprocessing circuitry of the printhead integrated circuits. Support for this amendment can be found at page 11, lines 19-28, page 19, lines 14-29, page 32, line 3-page 33, line 6, page 34, lines 24-30 and page 37, line 3-page 38, line 34 and in Figs. 41 and 42 of the present application; and

dependent claims 2-39, 41, 43-77 are unchanged.

It is respectfully submitted that the above amendments do not add new matter to the present application.

### *Regarding Continuation of 11 in Advisory Office Action*

In the Continuation Sheet, the Examiner asserts that "a shift register, a transfer register, an enable gate, and a drive transistor disclosed by Silverbrook et al. and cited in the previous action constitute controlling and processing data ("a controller")".

As described above, independent claim 1 has been further amended to clarify that the print data processed by the claimed controller, which is arranged on the printed circuit board supported by the casing, is communicated to microprocessing circuitry of the printhead integrated circuit(s). This amendment therefore clarifies that in the claimed invention the controller(s) which is assembled on the casing together with the printhead module(s) processes the print data for the printhead integrated circuits of the printhead module(s).

On the other hand, the shift register, transfer register, enable gate and drive transistor of Silverbrook et al. cited by the Examiner, is disclosed by Silverbrook et al. as being part of each nozzle of the Memjet chip 18 (see col. 3, lines 45-50 of Silverbrook et al.). Thus, Silverbrook et al. merely discloses circuitry of the chips not of a controller connected thereto, as is required by amended independent claim 1.

It is respectfully submitted that all of the Examiner's rejections have been traversed. Accordingly, it is submitted that the present application is in condition for allowance and reconsideration of the present application is respectfully requested.

Very respectfully,

Applicants:



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KIA SILVERBROOK



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NORMAN MICHEAL BERRY



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GARRY RAYMOND JACKSON



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AKIRA NAKAZWA

C/o: Silverbrook Research Pty Ltd  
393 Darling Street  
Balmain NSW 2041, Australia

Email: [kia.silverbrook@silverbrookresearch.com](mailto:kia.silverbrook@silverbrookresearch.com)

Telephone: +612 9818 6633

Facsimile: +61 2 9555 7762